

Glen N Barber

List of Publications by Year in descending order

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122
papers

22,647
citations

16451

64
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124
all docs

124
docs citations

124
times ranked

19628
citing authors

#	ARTICLE	IF	CITATIONS
1	STING is an endoplasmic reticulum adaptor that facilitates innate immune signalling. <i>Nature</i> , 2008, 455, 674-678.	27.8	2,526
2	STING regulates intracellular DNA-mediated, type I interferon-dependent innate immunity. <i>Nature</i> , 2009, 461, 788-792.	27.8	2,084
3	STING-Dependent Cytosolic DNA Sensing Mediates Innate Immune Recognition of Immunogenic Tumors. <i>Immunity</i> , 2014, 41, 830-842.	14.3	1,325
4	STING: infection, inflammation and cancer. <i>Nature Reviews Immunology</i> , 2015, 15, 760-770.	22.7	950
5	Cytoplasmic chromatin triggers inflammation in senescence and cancer. <i>Nature</i> , 2017, 550, 402-406.	27.8	851
6	Inhibition of the Interferon- Inducible Protein Kinase PKR by HCV E2 Protein. <i>Science</i> , 1999, 285, 107-110.	12.6	689
7	Cyclic Dinucleotides Trigger ULK1 (ATG1) Phosphorylation of STING to Prevent Sustained Innate Immune Signaling. <i>Cell</i> , 2013, 155, 688-698.	28.9	562
8	Cytosolic-DNA-Mediated, STING-Dependent Proinflammatory Gene Induction Necessitates Canonical NF- κ B Activation through TBK1. <i>Journal of Virology</i> , 2014, 88, 5328-5341.	3.4	523
9	Essential Role for the dsRNA-Dependent Protein Kinase PKR in Innate Immunity to Viral Infection. <i>Immunity</i> , 2000, 13, 129-141.	14.3	456
10	Activation of STING requires palmitoylation at the Golgi. <i>Nature Communications</i> , 2016, 7, 11932.	12.8	436
11	Autoimmunity Initiates in Nonhematopoietic Cells and Progresses via Lymphocytes in an Interferon-Dependent Autoimmune Disease. <i>Immunity</i> , 2012, 36, 120-131.	14.3	428
12	STING manifests self DNA-dependent inflammatory disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19386-19391.	7.1	419
13	Deregulation of STING Signaling in Colorectal Carcinoma Constrains DNA Damage Responses and Correlates With Tumorigenesis. <i>Cell Reports</i> , 2016, 14, 282-297.	6.4	414
14	DENV Inhibits Type I IFN Production in Infected Cells by Cleaving Human STING. <i>PLoS Pathogens</i> , 2012, 8, e1002934.	4.7	411
15	Loss of DExD/H Box RNA Helicase LGP2 Manifests Disparate Antiviral Responses. <i>Journal of Immunology</i> , 2007, 178, 6444-6455.	0.8	341
16	Inflammation-driven carcinogenesis is mediated through STING. <i>Nature Communications</i> , 2014, 5, 5166.	12.8	334
17	The dsRNA binding protein family: critical roles, diverse cellular functions. <i>FASEB Journal</i> , 2003, 17, 961-983.	0.5	326
18	Activation of the dsRNA-dependent protein kinase, PKR, induces apoptosis through FADD-mediated death signaling. <i>EMBO Journal</i> , 1998, 17, 6888-6902.	7.8	325

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19	Activation of STAT6 by STING Is Critical for Antiviral Innate Immunity. <i>Cell</i> , 2011, 147, 436-446.	28.9	316
20	DNA damage sensor MRE11 recognizes cytosolic double-stranded DNA and induces type I interferon by regulating STING trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2969-2974.	7.1	298
21	STING-dependent cytosolic DNA sensing pathways. <i>Trends in Immunology</i> , 2014, 35, 88-93.	6.8	285
22	A FADD-dependent innate immune mechanism in mammalian cells. <i>Nature</i> , 2004, 432, 401-405.	27.8	273
23	Alpha/Beta Interferons Potentiate Virus-Induced Apoptosis through Activation of the FADD/Caspase-8 Death Signaling Pathway. <i>Journal of Virology</i> , 2000, 74, 1513-1523.	3.4	269
24	Recurrent Loss of STING Signaling in Melanoma Correlates with Susceptibility to Viral Oncolysis. <i>Cancer Research</i> , 2016, 76, 6747-6759.	0.9	262
25	Modulation of the cGAS-STING DNA sensing pathway by gammaherpesviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4306-15.	7.1	250
26	Oncolytic Immunovirotherapy for Melanoma Using Vesicular Stomatitis Virus. <i>Cancer Research</i> , 2007, 67, 2840-2848.	0.9	241
27	Innate Immune Recognition of an AT-Rich Stem-Loop DNA Motif in the <i>Plasmodium falciparum</i> Genome. <i>Immunity</i> , 2011, 35, 194-207.	14.3	234
28	STING Recognition of Cytoplasmic DNA Instigates Cellular Defense. <i>Molecular Cell</i> , 2013, 50, 5-15.	9.7	234
29	Innate immune DNA sensing pathways: STING, AIMII and the regulation of interferon production and inflammatory responses. <i>Current Opinion in Immunology</i> , 2011, 23, 10-20.	5.5	222
30	Downregulation of cytoplasmic DNases is implicated in cytoplasmic DNA accumulation and SASP in senescent cells. <i>Nature Communications</i> , 2018, 9, 1249.	12.8	215
31	Cytoplasmic DNA innate immune pathways. <i>Immunological Reviews</i> , 2011, 243, 99-108.	6.0	203
32	VSV Disrupts the Rae1/mrnp41 mRNA Nuclear Export Pathway. <i>Molecular Cell</i> , 2005, 17, 93-102.	9.7	202
33	Genetically Engineered Vesicular Stomatitis Virus in Gene Therapy: Application for Treatment of Malignant Disease. <i>Journal of Virology</i> , 2002, 76, 895-904.	3.4	201
34	HHV-8 encoded vIRF-1 represses the interferon antiviral response by blocking IRF-3 recruitment of the CBP/p300 coactivators. <i>Oncogene</i> , 2001, 20, 800-811.	5.9	198
35	Development of Recombinant Vesicular Stomatitis Viruses That Exploit Defects in Host Defense To Augment Specific Oncolytic Activity. <i>Journal of Virology</i> , 2003, 77, 8843-8856.	3.4	188
36	PKR, apoptosis and cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 1999, 31, 123-138.	2.8	183

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37	Oncolytic Viruses as Antigen-Agnostic Cancer Vaccines. <i>Cancer Cell</i> , 2018, 33, 599-605.	16.8	178
38	Oncolytic Activity of Vesicular Stomatitis Virus Is Effective against Tumors Exhibiting Aberrant p53, Ras, or Myc Function and Involves the Induction of Apoptosis. <i>Journal of Virology</i> , 2001, 75, 3474-3479.	3.4	170
39	Defective translational control facilitates vesicular stomatitis virus oncolysis. <i>Cancer Cell</i> , 2004, 5, 51-65.	16.8	167
40	Suppression of STING signaling through epigenetic silencing and missense mutation impedes DNA damage mediated cytokine production. <i>Oncogene</i> , 2018, 37, 2037-2051.	5.9	158
41	The IRF-3 Transcription Factor Mediates Sendai Virus-Induced Apoptosis. <i>Journal of Virology</i> , 2000, 74, 3781-3792.	3.4	148
42	TAX1BP1 and A20 Inhibit Antiviral Signaling by Targeting TBK1-IKKi Kinases. <i>Journal of Biological Chemistry</i> , 2010, 285, 14999-15009.	3.4	143
43	Intrinsic Self-DNA Triggers Inflammatory Disease Dependent on STING. <i>Journal of Immunology</i> , 2014, 193, 4634-4642.	0.8	140
44	Vesicular Stomatitis Virus (VSV) Therapy of Tumors. <i>IUBMB Life</i> , 2000, 50, 135-138.	3.4	135
45	Extrinsic Phagocyte-Dependent STING Signaling Dictates the Immunogenicity of Dying Cells. <i>Cancer Cell</i> , 2018, 33, 862-873.e5.	16.8	133
46	VSV-tumor selective replication and protein translation. <i>Oncogene</i> , 2005, 24, 7710-7719.	5.9	129
47	A noncanonical function of cGAMP in inflammasome priming and activation. <i>Journal of Experimental Medicine</i> , 2017, 214, 3611-3626.	8.5	128
48	Vesicular Stomatitis Virus as an Oncolytic Vector. <i>Viral Immunology</i> , 2004, 17, 516-527.	1.3	125
49	STING signaling and host defense against microbial infection. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-10.	7.7	119
50	Self-DNA, STING-dependent signaling and the origins of autoinflammatory disease. <i>Current Opinion in Immunology</i> , 2014, 31, 121-126.	5.5	116
51	Ubiquitination of STING at lysine 224 controls IRF3 activation. <i>Science Immunology</i> , 2017, 2, .	11.9	115
52	Characterization of Two Evolutionarily Conserved, Alternatively Spliced Nuclear Phosphoproteins, NFAR-1 and -2, That Function in mRNA Processing and Interact with the Double-stranded RNA-dependent Protein Kinase, PKR. <i>Journal of Biological Chemistry</i> , 2001, 276, 32300-32312.	3.4	112
53	Vesicular Stomatitis Virus (VSV) Therapy of Tumors. <i>IUBMB Life</i> , 2000, 50, 135-138.	3.4	109
54	DNase II-dependent DNA digestion is required for DNA sensing by TLR9. <i>Nature Communications</i> , 2015, 6, 5853.	12.8	107

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55	STING-Dependent Signaling Underlies IL-10 Controlled Inflammatory Colitis. <i>Cell Reports</i> , 2017, 21, 3873-3884.	6.4	101
56	The STING pathway and regulation of innate immune signaling in response to DNA pathogens. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1157-1165.	5.4	100
57	Expression of IFN- β Enhances Both Efficacy and Safety of Oncolytic Vesicular Stomatitis Virus for Therapy of Mesothelioma. <i>Cancer Research</i> , 2009, 69, 7713-7720.	0.9	96
58	Attenuation of Vesicular Stomatitis Virus Encephalitis through MicroRNA Targeting. <i>Journal of Virology</i> , 2010, 84, 1550-1562.	3.4	96
59	Ovarian Cancer Cells Commonly Exhibit Defective STING Signaling Which Affects Sensitivity to Viral Oncolysis. <i>Molecular Cancer Research</i> , 2019, 17, 974-986.	3.4	95
60	Activation of the STING Adaptor Attenuates Experimental Autoimmune Encephalitis. <i>Journal of Immunology</i> , 2014, 192, 5571-5578.	0.8	92
61	Pro-inflammation Associated with a Gain-of-Function Mutation (R284S) in the Innate Immune Sensor STING. <i>Cell Reports</i> , 2018, 23, 1112-1123.	6.4	92
62	Phosphorylation of the NFAR proteins by the dsRNA-dependent protein kinase PKR constitutes a novel mechanism of translational regulation and cellular defense. <i>Genes and Development</i> , 2010, 24, 2640-2653.	5.9	85
63	<i>Brucella abortus</i> Triggers a cGAS-Independent STING Pathway To Induce Host Protection That Involves Guanylate-Binding Proteins and Inflammasome Activation. <i>Journal of Immunology</i> , 2018, 200, 607-622.	0.8	84
64	Epigenetic reprogramming of tumor cellâ€™s intrinsic STING function sculpts antigenicity and T cell recognition of melanoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	78
65	Interference of CD40L-Mediated Tumor Immunotherapy by Oncolytic Vesicular Stomatitis Virus. <i>Human Gene Therapy</i> , 2010, 21, 439-450.	2.7	74
66	NFAR-1 and -2 modulate translation and are required for efficient host defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4173-4178.	7.1	66
67	DDX24 Negatively Regulates Cytosolic RNA-Mediated Innate Immune Signaling. <i>PLoS Pathogens</i> , 2013, 9, e1003721.	4.7	66
68	Induction of a TRAIL mediated suicide program by interferon alpha in primary effusion lymphoma. <i>Oncogene</i> , 2001, 20, 7029-7040.	5.9	62
69	Safety Studies on Intrahepatic or Intratumoral Injection of Oncolytic Vesicular Stomatitis Virus Expressing Interferon- β in Rodents and Nonhuman Primates. <i>Human Gene Therapy</i> , 2010, 21, 451-462.	2.7	62
70	STING, a cytosolic DNA sensor, plays a critical role in atherosclerosis: a link between innate immunity and chronic inflammation caused by lifestyle-related diseases. <i>European Heart Journal</i> , 2021, 42, 4336-4348.	2.2	61
71	STING Signaling in Melanoma Cells Shapes Antigenicity and Can Promote Antitumor T-cell Activity. <i>Cancer Immunology Research</i> , 2019, 7, 1837-1848.	3.4	59
72	The oncolytic effect of recombinant vesicular stomatitis virus is enhanced by expression of the fusion cytosine deaminase/uracil phosphoribosyltransferase suicide gene. <i>Cancer Research</i> , 2003, 63, 8366-76.	0.9	56

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73	Primate-specific miR-576-3p sets host defense signalling threshold. <i>Nature Communications</i> , 2014, 5, 4963.	12.8	52
74	Combating herpesvirus encephalitis by potentiating a TLR3-mTORC2 axis. <i>Nature Immunology</i> , 2018, 19, 1071-1082.	14.5	52
75	Fas-Associated Death Domain-Containing Protein-Mediated Antiviral Innate Immune Signaling Involves the Regulation of <i>Irf7</i> . <i>Journal of Immunology</i> , 2007, 178, 2429-2439.	0.8	49
76	Treg Depletion-enhanced IL-2 Treatment Facilitates Therapy of Established Tumors Using Systemically Delivered Oncolytic Virus. <i>Molecular Therapy</i> , 2008, 16, 1217-1226.	8.2	47
77	STING regulates metabolic reprogramming in macrophages via HIF-1 α during <i>Brucella</i> infection. <i>PLoS Pathogens</i> , 2021, 17, e1009597.	4.7	45
78	Use of Biological Therapy to Enhance Both Virotherapy and Adoptive T-Cell Therapy for Cancer. <i>Molecular Therapy</i> , 2008, 16, 1910-1918.	8.2	44
79	Cutting Edge: Innate Immune Augmenting Vesicular Stomatitis Virus Expressing Zika Virus Proteins Confers Protective Immunity. <i>Journal of Immunology</i> , 2017, 198, 3023-3028.	0.8	44
80	STING-dependent signaling. <i>Nature Immunology</i> , 2011, 12, 929-930.	14.5	43
81	The NFAR's (Nuclear Factors Associated with dsRNA): Evolutionarily conserved members of the dsRNA binding protein family. <i>RNA Biology</i> , 2009, 6, 35-39.	3.1	41
82	Bacterial c-di-GMP Affects Hematopoietic Stem/Progenitors and Their Niches through STING. <i>Cell Reports</i> , 2015, 11, 71-84.	6.4	41
83	The interferons and cell death: guardians of the cell or accomplices of apoptosis?. <i>Seminars in Cancer Biology</i> , 2000, 10, 103-111.	9.6	40
84	Reciprocal regulation of STING and TCR signaling by mTORC1 for T-cell activation and function. <i>Life Science Alliance</i> , 2019, 2, e201800282.	2.8	40
85	Vesicular Stomatitis Virus Expressing Tumor Suppressor p53 Is a Highly Attenuated, Potent Oncolytic Agent. <i>Journal of Virology</i> , 2011, 85, 10440-10450.	3.4	39
86	The 90- and 110-kDa Human NFAR Proteins Are Translated from Two Differentially Spliced mRNAs Encoded on Chromosome 19p13. <i>Genomics</i> , 2001, 71, 256-259.	2.9	38
87	<i>Brucella abortus</i> Cyclic Dinucleotides Trigger STING-Dependent Unfolded Protein Response That Favors Bacterial Replication. <i>Journal of Immunology</i> , 2019, 202, 2671-2681.	0.8	37
88	Novel c-di-GMP recognition modes of the mouse innate immune adaptor protein STING. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 352-366.	2.5	36
89	Nucleic acid sensing by T cells initiates Th2 cell differentiation. <i>Nature Communications</i> , 2014, 5, 3566.	12.8	36
90	Evaluating Replication-Defective Vesicular Stomatitis Virus as a Vaccine Vehicle. <i>Journal of Virology</i> , 2006, 80, 6993-7008.	3.4	32

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91	The Alpha Subunit of Eukaryotic Initiation Factor 2B (eIF2B) Is Required for eIF2-Mediated Translational Suppression of Vesicular Stomatitis Virus. <i>Journal of Virology</i> , 2011, 85, 9716-9725.	3.4	29
92	The cGAS/STING Pathway Is Important for Dendritic Cell Activation but Is Not Essential to Induce Protective Immunity against <i>Mycobacterium tuberculosis</i> . <i>Infection. Journal of Innate Immunity</i> , 2018, 10, 239-252.	3.8	28
93	The STING controlled cytosolic-DNA activated innate immune pathway and microbial disease. <i>Microbes and Infection</i> , 2014, 16, 998-1001.	1.9	26
94	Vesicular stomatitis virus inhibits mitotic progression and triggers cell death. <i>EMBO Reports</i> , 2009, 10, 1154-1160.	4.5	25
95	Liver Immune Cells Release Type 1 Interferon Due to DNA Sensing and Amplify Liver Injury from Acetaminophen Overdose. <i>Cells</i> , 2018, 7, 88.	4.1	24
96	The TAR-RNA binding protein is required for immunoresponses triggered by Cardiovirus infection. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 187-193.	2.1	22
97	Vaccine-induced immune responses against both Gag and Env improve control of simian immunodeficiency virus replication in rectally challenged rhesus macaques. <i>PLoS Pathogens</i> , 2017, 13, e1006529.	4.7	19
98	Oncogenic Human T-Cell Lymphotropic Virus Type 1 Tax Suppression of Primary Innate Immune Signaling Pathways. <i>Journal of Virology</i> , 2015, 89, 4880-4893.	3.4	18
99	Brucella suppress STING expression via miR-24 to enhance infection. <i>PLoS Pathogens</i> , 2020, 16, e1009020.	4.7	18
100	Retargeting Oncolytic Vesicular Stomatitis Virus to Human T-Cell Lymphotropic Virus Type 1-Associated Adult T-Cell Leukemia. <i>Journal of Virology</i> , 2015, 89, 11786-11800.	3.4	17
101	STING differentially regulates experimental GVHD mediated by CD8 versus CD4 T cell subsets. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	15
102	Preclinical safety and activity of recombinant VSVΔG ^{ΔM} in an immunocompetent model of squamous cell carcinoma of the head and neck. <i>Head and Neck</i> , 2014, 36, 1619-1627.	2.0	14
103	Evaluation of Innate Immune Signaling Pathways in Transformed Cells. <i>Methods in Molecular Biology</i> , 2012, 797, 217-238.	0.9	13
104	Radiation Attenuates Prostate Tumor Antiviral Responses to Vesicular Stomatitis Virus Containing IFN β , Resulting in Pronounced Antitumor Systemic Immune Responses. <i>Molecular Cancer Research</i> , 2020, 18, 1232-1243.	3.4	13
105	Virus infection is controlled by hematopoietic and stromal cell sensing of murine cytomegalovirus through STING. <i>ELife</i> , 2020, 9, .	6.0	13
106	Innate immunity in an in vitro murine blastocyst model using embryonic and trophoblast stem cells. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 358-365.	2.2	11
107	Explicit targeting of transformed cells by VSV in ovarian epithelial tumor-bearing Wv mouse models. <i>Gynecologic Oncology</i> , 2010, 116, 269-275.	1.4	9
108	Cellular Immune Responses against Simian T-Lymphotropic Virus Type 1 Target Tax in Infected Baboons. <i>Journal of Virology</i> , 2016, 90, 5280-5291.	3.4	8

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109	Potential of vesicular stomatitis virus as an oncolytic therapy for recurrent and drug-resistant ovarian cancer. Chinese Journal of Cancer, 2011, 30, 805-814.	4.9	7
110	STING Signaling Drives Production of Innate Cytokines, Generation of CD8+ T Cells and Enhanced Protection Against Trypanosoma cruzi Infection. Frontiers in Immunology, 2021, 12, 775346.	4.8	5
111	Simian T Lymphotropic Virus 1 Infection of Papio anubis: Sequence Heterogeneity and T Cell Recognition. Journal of Virology, 2017, 91, .	3.4	3
112	Trial in Progress: A Phase II Trial of Belinostat As Consolidation Therapy with Zidovudine for Adult T-Cell Leukemia-Lymphoma (ATLL). Blood, 2021, 138, 2477-2477.	1.4	3
113	The Birds, the Bees, and Innate Immunity. Immunity, 2017, 46, 521-522.	14.3	2
114	Correction for Tesfay et al., Vesiculovirus Neutralization by Natural IgM and Complement. Journal of Virology, 2015, 89, 1945-1946.	3.4	0
115	Editorial: Immuno-Epigenetic Markers for Infectious Diseases. Frontiers in Immunology, 2019, 10, 2719.	4.8	0
116	A High Resolution Comparative Genomic Hybridization Array of Adult T-Cell Leukemia-Lymphoma in Individuals of African Descent.. Blood, 2009, 114, 4241-4241.	1.4	0
117	Engineering VSV-IFN-NIS for the Treatment of Multiple Myeloma.. Blood, 2009, 114, 378-378.	1.4	0
118	The Innate Immune Sensor Sting Promotes Donor CD8+ T Cell Activation and Recipient APC Death Early after Preclinical Allogeneic Hematopoietic Stem Cell Transplantation. Blood, 2019, 134, 3202-3202.	1.4	0
119	Brucella suppress STING expression via miR-24 to enhance infection. , 2020, 16, e1009020.		0
120	Brucella suppress STING expression via miR-24 to enhance infection. , 2020, 16, e1009020.		0
121	Brucella suppress STING expression via miR-24 to enhance infection. , 2020, 16, e1009020.		0
122	Brucella suppress STING expression via miR-24 to enhance infection. , 2020, 16, e1009020.		0